

UV Absorber 531 (UV-531)

Benzophenone ultraviolet absorber for compatible polymer, resin and coating formulations.

CAS 1843-05-6	EC 217-421-2	Transport Not regulated · ADR/IMDG/IATA
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Product Information

UV-531 is a benzophenone ultraviolet absorber with an octyloxy substituent. The powder grade has an HPLC assay above 99% and a melting-range specification. Selection depends on compatibility with the base polymer, processing temperature, migration behavior and interaction with other stabilizers. Its light yellow appearance should be considered when color is important. Weathering performance must be assessed in the finished material; the raw ingredient does not establish a service-life guarantee or a universal dosage.

Specifications

Parameter	Specification	Method
Appearance	Light yellow powder	
Assay	>99.0 % (HPLC)	HPLC
Melting range	47–50 °C	
Volatile matter	≤0.3 %	

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₂₁ H ₂₆ O ₃
Molecular weight (component)	326.43 g/mol

Applications

Polymer stabilization: Evaluate UV-531 in compatible plastics with the intended processing conditions.

Coating formulations: Assess compatibility in suitable coating and resin systems.

Stabilizer packages: Consider UV-531 as one component of a stabilizer package.

Packaging / Storage

Item	Information
Packaging	Packing format and net weight are confirmed with the quotation.
Storage	Keep closed at room temperature in a cool, dry place, away from oxidizers. Source shelf life: two years in intact original packaging.
Shelf life	Two years in unopened original packaging under the specified storage conditions.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com